Application No. 10/591,899 Docket No.: 1254-0323PUS1
Art Unit 1614

Reply to Office Action of June 11, 2009

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

## Listing of Claims:

- 1-3. (Cancelled)
- 4. (Currently Amended) A compound represented by formula (I') or a salt thereof:

wherein:

(1) X represents a halogen atom or a hydrogen atom; R<sup>1</sup> represents a hydrogen atom; substituted or unsubstituted C<sub>1-6</sub> alkyl, substituted or unsubstituted C<sub>2-6</sub> alkenyl, substituted or unsubstituted C<sub>2-6</sub> alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, substituted or unsubstituted C<sub>1-6</sub> alkylsulfonyl, or hydroxyl; R<sup>2</sup> represents substituted or

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unsubstituted  $C_{1.21}$  alkyl; [[and]]  $R^3$ ,  $R^5$  and  $R^6$ , which may be <u>are</u> the same or different, each represent different and each represents a hydrogen atom or a halogen atom, provided that, when X represents a hydrogen atom,  $R^3$  represents a chlorine atom; and  $R^4$  represents a hydrogen atom or substituted or unsubstituted  $C_{1.6}$  alkyl, or

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(2) X represents a halogen atom; R<sup>1</sup> represents a hydrogen atom; R<sup>2</sup> represents substituted or unsubstituted C<sub>2-21</sub> alkyl; R<sup>3</sup> and R<sup>5</sup> are the same or different and each represents a halogen atom; R<sup>6</sup> represents a hydrogen atom or a halogen atom; and R<sup>4</sup> represents a hydrogen atom or substituted or unsubstituted C<sub>1-6</sub> alkyl.

(excluding the compound represented by formula (I') wherein X represents a halogen atom; R<sup>1</sup>-represents a hydrogen atom; R<sup>2</sup>-represents methyl or cyclopropyl; R<sup>3</sup>, R<sup>5</sup> and R<sup>6</sup>-each represent a hydrogen atom; and R<sup>4</sup>-represents methyl; the compound represented by formula (I') wherein X and R<sup>5</sup>-each represent a halogen atom; R<sup>4</sup>-represents a hydrogen atom; R<sup>2</sup>-represents methyl; R<sup>3</sup> and R<sup>6</sup>-each represent a hydrogen atom; and R<sup>4</sup>-represents methyl; the compound represented by formula (I') wherein X and R<sup>3</sup>-each represent a bromine atom; R<sup>4</sup>-represents a hydrogen atom; R<sup>2</sup>-represents methyl; and the compound represented by formula (I') wherein X, R<sup>3</sup>, and R<sup>5</sup>-each represents methyl; and the compound represented by formula (I') wherein X, R<sup>3</sup>, and R<sup>5</sup>-each represents a bromine atom; R<sup>3</sup>-represents a hydrogen atom; R<sup>2</sup>-represents a hydrogen atom; R<sup>2</sup>-represents a hydrogen atom; R<sup>3</sup>-represents a hydrogen atom; R<sup>3</sup>-represents methyl).

5. (Original) The compound represented by formula (I') according to claim 4 or a salt thereof, wherein X represents a bromine atom; R<sup>1</sup> represents substituted or unsubstituted C<sub>1-6</sub> alkyl, substituted or unsubstituted C<sub>2-6</sub> alkenyl, substituted or unsubstituted C<sub>2-6</sub> alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or

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unsubstituted acyl, substituted or unsubstituted arylsulfonyl, or substituted or unsubstituted C<sub>1-6</sub>

alkylsulfonyl: R<sup>2</sup> represents methyl; R<sup>3</sup>, R<sup>5</sup> and R<sup>6</sup>, which may be the same or different, each

represent a hydrogen atom or a bromine atom; and R4 represents methyl.

6. (Withdrawn) A pharmaceutical composition comprising, as an active ingredient, the

compound according to claim 4 or a pharmaceutically acceptable salt thereof.

7. (Withdrawn) A method for treating or preventing osteoporosis comprising

administering a therapeutically effective amount of the pharmaceutical composition according to

claim 6 to a subject in need thereof.

8. (Withdrawn) A method for activating an osteoblast comprising administering a

therapeutically effective amount of the pharmaceutical composition according to claim 6 to a

subject in need thereof.

9. (Withdrawn) A method for suppressing an osteoclast comprising administering a

therapeutically effective amount of the pharmaceutical composition according to claim 6 to a

subject in need thereof.

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10. (Withdrawn) A method for treating or preventing osteoporosis comprising administering a therapeutically effective amount of a compound represented by formula (I) or a pharmaceutically acceptable salt thereof:

$$R^4O$$
 $R^5$ 
 $R^6$ 
 $R^1$ 
NHCO- $R^2$ 

wherein X represents a halogen atom;  $R^1$  represents a hydrogen atom, substituted or unsubstituted  $C_{2-6}$  alkenyl, substituted or unsubstituted  $C_{2-6}$  alkenyl, substituted or unsubstituted  $C_{2-6}$  alkenyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, substituted or unsubstituted  $C_{1-6}$  alkylsulfonyl, or hydroxyl;  $R^2$  represents substituted or unsubstituted  $C_{1-2}$  alkyl;  $R^3$ ,  $R^5$ , and  $R^6$ , which may be the same or different, each represent a hydrogen atom or a halogen atom; and  $R^4$  represents a hydrogen atom or substituted or unsubstituted  $C_{1-6}$  alkyl, to a subject in need thereof.

11. (Withdrawn) A method for activating an osteoblast comprising administering an effective amount of the compound represented by formula (I) defined in claim 10 or a salt thereof

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12. (Withdrawn) A method for suppressing an osteoclast comprising administering an effective amount of the compound represented by formula (I) defined in claim 10 or a salt thereof.

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13. (Previously Presented) The compound represented by formula (I') according to claim 4, wherein X, R<sup>3</sup> and R<sup>5</sup> each represent a halogen atom.

14. (Previously Presented) The compound represented by formula (l') according to claim 4. wherein X. R<sup>3</sup> and R<sup>5</sup> each represent a bromine atom.

15. (Currently Amended) The compound represented by formula (I') according to claim 4, wherein  $R^1$  represents substituted or unsubstituted  $C_{1-6}$  alkyl, substituted or unsubstituted  $C_{2-6}$  alkenyl, substituted or unsubstituted  $C_{2-6}$  alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted araalkyl, aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, substituted or unsubstituted  $C_{1-6}$  alkylsulfonyl, or hydroxyl.

16. (New) The compound represented by formula (I') according to claim 4, wherein  $\mathbb{R}^2$  is the  $\mathbb{C}_{2:21}$  alkyl and is selected from the group consisting of ethyl, propyl, isopropyl, butyl, isobutyl, sec-butyl, tert-butyl, pentyl, isopentyl, hexyl, heptyl, octyl, nonyl, decyl, undecyl, dodecyl, tridecyl, tetradecyl, pentadecyl, hexadecyl, heptadecyl, octadecyl, nonadecyl, icosyl, henicosyl, cyclopropyl, cyclobutyl, cyclopentyl and cyclobexyl.